

UPS EVO DSP PLUS MM PF 0,9

6-10

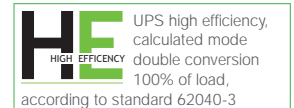


- 1 - RS232 port
- 2 - USB port
- 3 - EPO connector
- 4 - Slot for SNMP interface or Dry Contact
- 5 - Connector for extra Battery Box
- 6 - Manual bypass switch for maintenance
- 7 - Input voltage switch
- 8 - Input/output terminal box



Main Specifications

- Local Area Network (LAN), Data Centers, Industrial equipment, Electromedical equipment
- Rectifier realized by IGBT technology
- Compatible with generators
- Battery charging system controlled by microprocessor
- Extension Back-up time by external Battery box (optional)
- Static and Manual Bypass
- UPS Management Software TecnoManager compatible with Windows, Unix, Linux, ecc.



Specifications

UPS Model	EVO DSP PLUS MM 6.0 PF 0,9	EVO DSP PLUS MM 10.0 PF 0,9
Nominal power	6 KVA	10 KVA
Active power	5.4 KW	9 KW
Power factor	0,9	
Technology	On-Line Double Conversion transformerless (VFI-SS-111)	
Cooling	Fan cooling	
Audible noise	< 55 dBA a 1 m	< 58 dBA a 1 m
Dimension (UPS) WxHxD	19x68,8x36,9 cm	19x68,8x44,2 cm
Dimension (with packing) WxHxD	32x92,2x51,4 cm	32x92,2x58,7 cm
Input		
Number of phases	1Ph+N	
Nominal voltage	208Vac/220Vac/230Vac/240Vac	
Input voltage range	176Vac-300Vac dal 50% al 100% di carico, 110Vac-300Vac fino al 50% di carico	
Nominal frequency	50/60 Hz (selectable)	
Input frequency range (On-Line mode)	±7%	
Input power factor	0,99	
Output		
Number of phases	1Ph+N	
Nominal voltage	208Vac/220Vac/230Vac/240Vac	
Voltage Regulation at %100 linear load (On-Line and Battery mode)	±1%	
Voltage THD at rated linear load	<3% (linear load), <6% (non-linear load)	
Crest factor	3:1	
Frequency	50/60 Hz (selectable)	
Frequency stability	±0,1 Hz	
Inverter waveform	Sinewave	
Overload capability (Line mode)	110% for 30 minutes, 130% for 5 minutes, >130% for 10 seconds	
Overload capability (Battery mode)	110% for 3 minutes, 130% for 30 seconds, >130% for 10 seconds	
Efficiency	94%, calculated in double conversion mode at 100% load to 100% load according to standard 62040-3	
Transfer time	0 ms (On-Line)	
Battery		
Type	Lead acid, sealed, maintenance free	
Extended autonomy	External Battery Box (optional)	
Environmental specification		
Working temperature	From 0 to 55 °C (recommended from 20 to 25 °C)	
Humidity	< 95% without condensation	
Maximum altitude	3000 m	
IP protection	IP20	
Certifications	CE (Standards: Low Voltage Directive IEC EN 62040-1; EMC Directive IEC EN 62040-2; classification IEC EN 62040-3)	
Warranty		
Standard	12 months - After registration on www.tecnoware.com	

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Accessories

Model	Code
Bypass Box for Evo Dsp Plus MM 6.0 and 10.0	FGCBYP10MM2
Dry Contact for Evo Dsp Plus MM	FGCEVODSDRY3
SNMP for Evo Dsp Plus MM	FGCNETAG7
ModBus RS485 Interface	FGCMODBUS

UPS EVO DSP PLUS MM PF 0,9

BATTERY BOX



- 1 - Thermal Fuse protecting the battery charger circuit
- 2 - Power Socket for the battery charger circuit
- 3 - Thermal switch for battery circuit
- 4 - Connector for the UPS Battery Box connection
- 5 - Extra Battery Box connector

Main Specifications

- Internal battery charger on every unit
- Units can be expanded infinitely
- Batteries with thermal circuit protection
- Easy connection to UPS
- Reduced dimensions
- Easy installation and maintenance

Specifications

Model	BATTERY BOX FOR EVO DSP PLUS MM 6.0-10.0 PF 0,9												
Code	FBBEVDP192A/07	FBBEVDP192A/14	FBBEVDP192A/21	FBBEVDP192A/28	FBBEVDP192A/09	FBBEVDP192A/18	FBBEVDP192A/27	FBBEVDP192A/36	FBBEVDP192A/11	FBBEVDP192A/22	FBBEVDP192A/33	FBBEVDP192A/44	
Box dimension WxHxD	25 x 83,3 x 80 cm												
Pack dimension WxHxD	38 x 105,8 x 96,5 cm												
Weight	81,4 Kg	107,8 Kg	134,2 Kg	160,6 kg	90,52 kg	126 kg	161,56 Kg	197,1 Kg	98,2 Kg	141,4 Kg	184,6 Kg	227,8 Kg	
Battery													
Type	Lead acid, sealed, maintenance free												
Internal battery charger													
Nominal input voltage	230Vac												
Nominal input frequency	50/60Hz												
Nominal charging voltage	219,2Vdc												
Max charging current	0,7A	1,4A	2,1A	2,8A	0,9A	1,8A	2,7A	3,6A	1,1A	2,2A	3,3A	4,4A	
Protection													
Battery charge input	Thermal fuse												
Battery circuit	Magnetothermic switch												
Environmental specification													
Working temperature	From 0 to 55 °C (recommended from 20 to 25 °C)												
Humidity	< 95% without condensation												
Maximum altitude	3000 m												
IP protection	IP20												
Certifications	CE												
Warranty													
Standard	12 months - After registration on www.tecnoware.com												

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